

RULE 63 (37 C.F.R. 1.63)  
INVENTORS DECLARATION FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I, a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHOD FOR CONTINUOUS OPTIMIZATION OF CONTROL-VARIABLES DURING OPERATION OF A NUCLEAR REACTOR

a specification of which (check applicable box(s)):

☐ is attached hereto

☒ was filed on November 7, 2001 as U.S. Application Serial No. 09/683.004 (Atty. Dkt. No. 1585-267)

☐ was filed as PCT International application No.

and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate stated below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below.

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby ask that all communications in this matter be directed to: NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000.

Inventor's Signature: William Earl Russell, II Date: 11/15/2001  
Inventor: William Earl RUSSELL, II US  
(first) MI (last) (citizenship)

Residence: (city) WILMINGTON (state/country) NC

Mailing Address: 1044 Arboretum Drive, WILMINGTON, NC  
(Zip Code) 28405

Inventor's Signature: David Joseph Kropaczek Date: 12/19/2001  
Inventor: David Joseph KROPACZEK US  
(first) MI (last) (citizenship)

Residence: (city) KURE BEACH (state/country) NC

Mailing Address: 325 Kure Dunes Lane, KURE BEACH, NC  
(Zip Code) 28449

Inventor's Signature: Glen Alan Watford Date: 11/15/2001  
Inventor: Glen Alan WATFORD US  
(first) MI (last) (citizenship)

Residence: (city) WILMINGTON (state/country) NC

Mailing Address: 7005 Finian Drive, WILMINGTON, NC  
(Zip Code) 28409

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

RUSSELL et al.

Atty. Ref.: 1585-304

Serial No. 09/683,004

Group: 3641

Filed: November 7, 2001

Examiner: Unassigned

For: SYSTEM AND METHOD FOR CONTINUOUS  
OPTIMIZATION OF CONTROL-VARIABLES DURING  
OPERATION OF A NUCLEAR REACTOR

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**ATTN: LICENSING AND REVIEW**

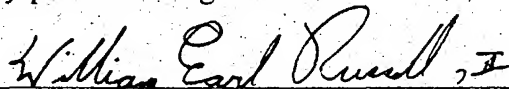
**DECLARATION**

We, William Earl RUSSELL, II, David Joseph KROPACZEK, and Glen Alan  
WATFORD, whose residences are set forth below next to our names, do hereby declare  
as follows:

1. That we made and conceived the invention described in the U.S. patent application identified above.
2. That we made and conceived this invention while employed by General Electric Company, a corporation of New York, and to whom we have assigned all right, title and interest by virtue of a previously-filed Assignment document; that the invention is related to the work we are employed to perform and was made within the scope of our duties; that the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of our employer, General Electric Company.

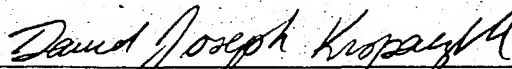
3. That to the best of our knowledge and belief the invention was not made or conceived in the course of, or in connection with, or under terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors, the Energy Research and Development Administration or the Department of Energy.

4. We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



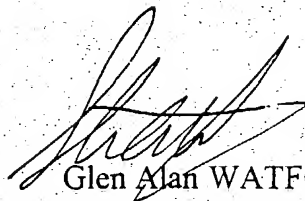
William Earl RUSSELL, II  
1044 Arboretum Drive, Wilmington, NC  
28405

Date: April 22, 2002



David Joseph KROPACZEK  
325 Kure Dunes Lane, Kure Beach, NC  
28449

Date: April 22, 2002



Glen Alan WATFORD  
7005 Finian Drive, Wilmington, NC 28409

Date: April 22, 2002

PATENT  
8564-000045/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: William E. RUSSELL et al.  
Appl. No.: 09/683,004 Group: 3641  
Filed: November 7, 2001 Examiner: R. Palabrica  
For: SYSTEM AND METHOD FOR CONTINUOUS  
OPTIMIZATION OF CONTROL VARIABLES  
DURING OPERATION OF A NUCLEAR  
REACTOR

REVOCATION OF POWER OF ATTORNEY, SUBSTITUTE POWER  
OF ATTORNEY, AND CHANGE IN CORRESPONDENCE ADDRESS

Commissioner for Patents  
Washington, DC 20231

Sir:

The Assignee of the above-identified patent application, General Electric Company, having a business office at One River Road, Schenectady, NY 12345, as evidenced by the recordation at Reel 012421 and Frames 0963-0966, hereby revokes any and all previous powers of attorney for the above-identified patent application or issued patent, and hereby appoints:

Ronald E. Myrick	(Reg. No. 26315)	Gary D. Yacura	(Reg. No. 35,416)
Henry J. Policinski	(Reg. No. 26621)	Gregory P. Brummett	(Reg. No. 41,646)
Jay L. Chaskin	(Reg. No. 24030)	Matthew J. Lattig	(Reg. No. 45274)
James W. Mitchell	(Reg. No. 25602)		
Frank A. Landgraff	(Reg. No. 36853)		
James A. McGinness	(Reg. No. 33260)		

of General Electric Company and the firm of Harness, Dickey & Pierce, P.L.C. as the attorneys of the Assignee to receive all correspondence relating to the above-identified

U.S. Serial No. 09/683,004  
Docket No. 8564-000045/US

application or patent and to transact all business in the United States Patent and Trademark Office connected therewith, with full power of substitution and revocation, and the Assignee ratifies any act done by the Assignee's attorneys in respect of this patent. The new correspondence address is:

HARNES, DICKEY & PIERCE, P.L.C.  
P.O. Box 8910  
Reston, VA 20195

Customer Number 30593

The undersigned (whose title is supplied below) is empowered to sign this Revocation and Substitute Power of Attorney on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

4/7/03  
Date

James E McGinness  
Signature

James E. McGinness  
Typed or printed name

IP COUNSEL GENE  
Title